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CONSOLIDATED TRANSLATION SURVEY

FOR DECEMBER 1968

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## CONSOLIDATED TRANSLATION SURVEY

### PREFACE

This survey is prepared monthly from lists received through the cooperation of US government agencies and includes universities, research institutions, and commercial translation organizations. It is a compilation of projects completed or started during the preceding month.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date of publication, and publication identifications of the completed project are given when available. Tables of contents of journals translated cover-to-cover are reproduced from the current publications.

Projects in process, i.e., not completed as of the date of this survey, are noted with an asterisk (\*), and when available, a project-control or "in-process" number is noted in parentheses following the title. Certain details may be unavailable on such projects. New projects in process are not listed again until they are completed.

An index to authors of items in this issue is provided at the end of the survey.

Scientific and technical translations are grouped according to the COSATI subject category list except for military science and ordnance items which are listed under "military" in the appropriate geographic areas.

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AEC - Atomic Energy Commission (see CFSTI)

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Air Force Cambridge Research Laboratories  
Research Library  
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Bedford, Massachusetts  
ATTN: CRMXLR

AGU

American Geophysical Union  
1515 Massachusetts Avenue, NW  
Washington, D. C. 20005

AIP

American Institute of Physics  
335 East 45th Street  
New York, New York 10017

ANL - Argonne National Laboratory, Illinois  
(see AEC)

APL/JHU

Applied Physics Laboratory  
The Johns Hopkins University  
8621 Georgia Avenue  
Silver Spring, Maryland 20960

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British Iron and Steel Industry Translation Service  
The Iron and Steel Institute  
4 Grosvenor Gardens  
London, S.W. 1, England

CB

Consultants Bureau Enterprises, Incorporated  
227 West 17th Street  
New York, New York 10011

CFSTI

Clearinghouse for Federal Scientific and  
Technical Information (Formerly Office of  
Technical Services)  
Port Royal and Braddock Roads  
Springfield, Virginia 22151

CTT

Columbia Technical Translations  
5 Vermont Avenue  
White Plains, New York 10600

DIA

Defense Intelligence Agency  
Washington, D. C. 20301

FP

The Faraday Press, Incorporated  
84 Fifth Avenue  
New York, New York 10011

FSTC - Foreign Science & Technology Center

Defense Documentation Center  
Cameron Station  
Alexandria, Virginia 22314

FTD - Foreign Technology Division

Defense Documentation Center  
Cameron Station  
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HB

Henry Bratcher Technical Translations  
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Altadena, California 91001

IEEE

Institute of Electrical and Electronics Engineers  
275 Madison Avenue  
New York, New York 10016

JPRS

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Clearinghouse for Federal Scientific  
and Technical Information  
Joint Publications Research Service  
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East Adams Drive, 4th & 6th Streets, SW  
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Maritime Admin

Maritime Administration  
Office Services  
GAO, 5th & G Streets, NW  
Washington, D. C.

NASA

National Aeronautics and Space Administration  
1512 H Street, NW  
Washington, D. C. 20546

NIC

Naval Intelligence Command  
Naval Intelligence Command Headquarters  
NIC-15  
Washington, D. C. 20350

NOO

U.S. Naval Oceanographic Office  
Code 4400  
Washington, D. C. 20390

ORNL - Oak Ridge National Laboratory (see AEC)

PG

Petroleum Geology  
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McLean, Virginia 22101

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**RSIC - Defense Documentation Center, Redstone  
Scientific Information Center  
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Prefabricated Reinforced Concrete Industry Grows,  
by N. P. Dudorov, 10 pp.  
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Prestressed Reinforced Concrete Industry Analyzed,  
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Means of Improving New Economic System, by  
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Efforts to Centralize Accounting Encouraged, 7 pp.  
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Clearing Operations Explained and Stressed, by  
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Report on Routine Session of Methodological  
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G. Abramov, 10 pp.  
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Aug 1968, pp 3-8.  
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Economic Cooperation Between GDR and USSR, by  
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No 40, Oct 1968, p 40.  
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Maintaining Proper Economic Relationships, by  
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8 pp.  
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Problems of Production Planning in Kazakh SSR,  
by A. Kolebayev, 7 pp.  
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by K. Skovoroda, 5 pp.  
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Kolkhoz Construction Shortcomings Scored, by  
A. Kandayba, 12 pp.  
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5 pp.  
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Industrial Development of Siberia Discussed, by  
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6 pp.  
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by F. Petrenko, 13 pp.  
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R. Nikolayev, 5 pp.  
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Improving Political Education in Komsomol,  
by A. Kamshalov, 5 pp.  
RUSSIAN, np, Pravda, Moscow, 26 Sept 1968,  
p 2.  
JPRS 46,809

Proposals to Raise Effectiveness of Party Meetings,  
by V. Provorov, 6 pp.  
RUSSIAN, np, Pravda, Moscow, 9 Oct 1968, p 2.  
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Upbringing of Komsomol in Revolutionary Image,  
by S. Pilotovich, 5 pp.  
RUSSIAN, np, Pravda, Moscow, 10 Oct 1968,  
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Party Efforts Needed for Economic Reform, by  
V. Akulintsev, 5 pp.  
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by V. Koshemyako, L. Kraynov, 5 pp.  
RUSSIAN, np, Pravda, Moscow, 22 Oct 1968, p 2.  
JPRS 46900

Importance of Theater Leniniana Discussed, by  
Vl. Pininov, 5 pp.  
RUSSIAN, np, Pravda, Moscow, 23 Oct 1968, p 3.  
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JPRS 46,809

Cases Settled by Arbitration Bodies Described, by I. Yurchenko, 7 pp.  
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Increased Role for Present-Day Local Soviets, by N. T. Kozlov, 12 pp.  
RUSSIAN, per, Sovetskoye Gosudarstvo i Pravo, Moscow, Sept 1968, pp 3-10.  
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Party Guidance of Komsomol in Georgia Needed, by V. P. Mshavani, 14 pp.  
RUSSIAN, np, Zarya Vostoka, Tbilisi, 9 Oct 1968, pp 1-2.  
JPRS 46900

Military

V. I. Lenin, Founder of Soviet Military Science, by N. Asotsev, V. Kozlov, 12 pp.  
RUSSIAN, per, Kommunist Vooruzhennykh Sil, Moscow, Sept 1968, pp 13-19.  
JPRS 46,795

Training of Fliers for Emergency Situations, by A. Mashkin, I. Ivanov, 10 pp.  
RUSSIAN, per, Kommunist Vooruzhennykh Sil, Moscow, No 18, Sept 1968, pp 62-66.  
JPRS 46,795

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Imperialist Aggressors -- Instigators of War, by T. Kondratkov, 15 pp.  
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USSR  
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NATO Strategists Maneuver, by B. Mikhaylov, 10 pp.  
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Staff Officer Field Training Stressed, by M. Nikitin, 7 pp.  
RUSSIAN, np, Krasnaya Zvezda, Moscow, 28 Sept 1968, p 2.  
JPRS 46,795

Better Organization of Labor of Officers Sought, by S. Kuts, 5 pp.  
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Role of Komsomol in Armed Forces Stressed, by G. Shatunov, 7 pp.  
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Preparation of Civilian Youth for Service, by I. Pavlovskiy, 6 pp.  
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Civil Defense Training in Secondary Schools, by A. A. Sychev, 6 pp.  
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Secondary School Civil Defense Curriculum,  
7 pp.  
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Young Workers Denied Opportunities in Plants,  
by M. Garin, 5 pp.  
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Described, by O. Belotserkovskiy, 6 pp.  
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With the exception of certain trigonometric and hyperbolic functions, Soviet mathematical symbols are the same as those encountered in the American literature. For the reader's convenience a list of such exceptions and their American equivalents is given below.

<u>Soviet Usage</u>	<u>American equivalent</u>
Arch	$\cosh^{-1}$
Arcth	$\coth^{-1}(\operatorname{ctnh}^{-1})$
Arsh	$\sinh^{-1}$
Arth	$\tanh^{-1}$
arccos	$\cos^{-1}(\operatorname{arc cos})$
arcctg	$\cot^{-1}(\operatorname{arc cot})$
arcsin	$\sin^{-1}(\operatorname{arc sin})$
arctg	$\tan^{-1}(\operatorname{arc tan})$
ch	cosh
cosec	csc
ctg	cot (ctn)
cth	$\coth(\operatorname{ctnh})$
rot	curl
sch	sech
sh	sinh
tg	tan
th	tanh

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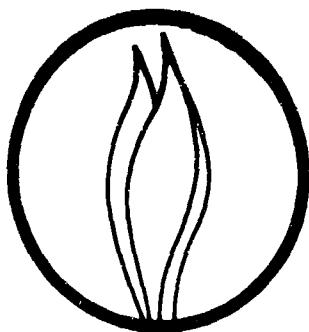
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## EDITOR'S NOTE

With the exception of certain trigonometric and hyperbolic functions, Soviet mathematical symbols are the same as those encountered in the American literature. For the reader's convenience a list of such exceptions and their American equivalents is given below.

<u>Soviet Usage</u>	<u>American equivalent</u>
Arch	$\cosh^{-1}$
Arcth	$\coth^{-1}$ ( $\operatorname{ctanh}^{-1}$ )
Arsh	$\sinh^{-1}$
Arth	$\tanh^{-1}$
arccos	$\cos^{-1}$ ( $\operatorname{arc cos}$ )
arcctg	$\cot^{-1}$ ( $\operatorname{arc cot}$ )
arcsin	$\sin^{-1}$ ( $\operatorname{arc sin}$ )
arctg	$\tan^{-1}$ ( $\operatorname{arc tan}$ )
ch	$\cosh$
cosec	$\csc$
ctg	$\cot$ ( $\operatorname{ctan}$ )
cth	$\coth$ ( $\operatorname{ctanh}$ )
rot	$\operatorname{curl}$
sch	$\operatorname{sech}$
sh	$\sinh$
tg	$\tan$
th	$\tanh$

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RUSSIAN ABBREVIATIONS IN THIS

AN SSSR.....	ACADEMY OF SCIENCES, USSR.
CC CPSU.....	CENTRAL COMMITTEE, COMMUNIST PARTY, SOVIET UNION.
GINTSVETMET.....	STATE INSTITUTE OF NON-FERROUS METALS.
GIREDMET.....	STATE RARE METALS SCIENTIFIC RESEARCH INSTITUTE.
GOSBANK.....	STATE BANK OF THE USSR.
GOSPLAN.....	STATE PLANNING COMMITTEE OF THE COUNCIL OF MINISTERS OF THE USSR.
GOST.....	ALL-UNION STANDARD.
IL.....	FOREIGN LITERATURE PUBLISHING HOUSE.
KAZ SSR.....	KAZAKH SSR.
LPI.....	LENINGRAD POLYTECHNIC INSTITUTE (D.M. BALININ).
MEKHANOR.....	SCIENTIFIC RESEARCH INSTITUTE FOR THE MECHANICAL CONCENTRATION OF MINERALS.
M-O-T.....	SCIENTIFIC ORGANIZATION OF LABOR.
TSINTSEM.....	CENTRAL OFFICE FOR INFORMATION ON NON-FERROUS METALS.
VTSSPG.....	ALL-UNION CENTRAL COUNCIL OF TRADE UNIONS.
VUZ.....	INSTITUTE OF HIGHER EDUCATION.

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The attention of the reader is drawn to discrepancies in the spelling of certain names occurring in this journal. This is due to the different systems for transliterating Ukrainian and Russian cyrillic characters. A list is given below of names with variant spelling.

Transliteration from Ukrainian	Transliteration from Russian
Chepynoha, O.P.	Chepinoga, O.P.
Demchenko, V.M.	Demchenko, V.N.
Didenko, H.H.	Didenko, G.G.
Herasimova, V.V.	Gerasimova, V.V.
Hol'dshtein, B.I.	Gol'dshtein, B.I.
Holoborod'ko, O.P.	Goloborod'ko, O.P.
Honcharova, K.O.	Goncharova, E.E.
Hromashev's'ka, L.K.	Gromashevskaya, L.L.
Hulyi, M.F.	Gulyi, M.F.
Khylobok, I.Yu.	Khilobok, I.Yu.
Kucherenko, N.E.	Kucherenko, N.E.
Leus, M.F.	Leus, N.F.
Matsuka, H.Kh.	Matsuka, G.Kh.
Montsevichute-Erlingene, E.V.	Montsevychute-Erlingene, E.V.
Musyalkovs'ka, A.O.	Musyalkovskaya, A.A.
Myronova, O.M.	Mironova, E.M.
Nechyporenko, Z.Yu.	Nechiporenko, Z.Yu.
Orlovs'ka, N.M.	Orlovskaya, N.N.
Pkhakadze, H.O.	Pkhakadze, G.A.
Pokras'on, M.N.	Pokrasen, N.M.
Skvyrn'ka, E.G.	Skvirkaya, E.B.
Tsyperovich, O.S.	Tsiperovich, A.S.

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**Explanatory List of Russian Abbreviations  
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Abbreviation	Full name (transliterated)	Translation
FMM	Fizika Metallov i Metallovedenie	Physics of Metals and Metal Science
FTT	Fizika Tverdogo Tela	Solid State Physics
UFN	Uspekhi Fizicheskikh Nauk	Advances in Physical Science
UFZh	Ukrainskiy Fizicheskii Zhurnal	Ukrainian Physics Journal
ZhETF	Zhurnal Ekspерimental'noi i Teoreticheskoi Fiziki	Journal of Experimental and Theoretical Physics
ZhFKh	Zhurnal Fizicheskoi Khimii	Journal of Physical Chemistry
ZhTF	Zhurnal Tekhnicheskoi Fiziki	Journal of Technical Physics

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\* \* \*

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Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen  
Deputy Director for Operations  
Defense Technical Information Center  
7725 John J. Kingman Road  
Suite 0944  
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in black ink that appears to read "Nancy J. Alcivar" or "Sergio N. Alcivar".

Sergio N. Alcivar  
Chief, CIA Declassification Center,  
Declassification Review and Referral  
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

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## Processing of OGA-Held CIA Documents



The following CIA documents located at DTIC were reviewed  
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fltr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0831939	78-03109A	59	1	2	123	Consolidated Translation Survey Through 31 March 1968	3/31/1968	252	Approved For Release	3/25/2004
AD0833917	78-03109A	59	1	3	124	Consolidated Translation Survey Through 30 April 1968	4/30/1968	223	Approved For Release	3/25/2004
AD0835906	78-03109A	59	1	4	125	Consolidated Translation Survey Through 31 May 1968	5/31/1968	267	Approved For Release	3/25/2004
AD0838252	78-03109A	59	1	5	126	Consolidated Translation Survey Through 30 June 1968	6/30/1968	341	Approved For Release	3/25/2004
AD0839299	78-03109A	59	1	6	127	Consolidated Translation Survey Through 31 July 1968	7/31/1968	354	Approved For Release	3/25/2004
AD0841414	78-03109A	59	1	7	128	Consolidated Translation Survey Through 31 August 1968	8/31/1968	255	Approved For Release	3/25/2004
AD0844244	78-03109A	59	1	8	129	Consolidated Translation Survey Through 30 September 1968	9/30/1968	259	Approved For Release	3/25/2004
AD0845247	78-03109A	60	1	1	130	Consolidated Translation Survey Through 31 October 1968	10/31/1968	252	Approved For Release	3/25/2004
AD0847806	78-03109A	60	1	2	131	Consolidated Translation Survey Through 30 November 1968	11/30/1968	284	Approved For Release	3/25/2004
AD0848152	78-03109A	60	1	3	132	Consolidated Translation Survey Through 31 December 1968	12/31/1968	176	Approved For Release	3/25/2004
AD0848841	78-03109A	60	1	4	133	Consolidated Translation Survey Through 31 January 1969	1/31/1969	188	Approved For Release	3/25/2004
AD0850186	78-03109A	60	1	5	134	Consolidated Translation Survey Through 28 February 1969	2/28/1969	167	Approved For Release	3/25/2004
AD0851748	78-03109A	60	1	6	135	Consolidated Translation Survey Through 31 March 1969	3/1/1969	232	Approved For Release	4/5/2004
AD0853348	78-03109A	60	1	7	136	Consolidated Translation Survey Through 30 April 1969	4/30/1969	262	Approved For Release	3/25/2004
AD0856606	78-03109A	60	1	8	137	Consolidated Translation Survey Through 31 May 1969	5/31/1969	306	Approved For Release	3/25/2004
AD0857706	78-03109A	63	1	1	138	Consolidated Translation Survey Through 30 June 1969	8/22/1969	413	Approved For Release	3/25/2004
AD0858054	78-03109A	63	1	2	139	Consolidated Translation Survey Through 31 July 1969	9/31/1969	185	Approved For Release	3/25/2004
AD0860022	78-03109A	63	1	3	140	Consolidated Translation Survey Through 31 August 1969	10/31/1969	315	Approved For Release	3/25/2004
AD0860905	78-03109A	63	1	4	141	Consolidated Translation Survey Through 30 September 1969	9/30/1969	285	Approved For Release	3/25/2004
AD0861886	78-03109A	63	1	5	142	Consolidated Translation Survey Through 31 October 1969	10/31/1969	269	Approved For Release	3/25/2004
AD0863371	78-03109A	63	1	6	143	Consolidated Translation Survey Through 30 November 1969	11/30/1969	224	Approved For Release	3/25/2004
AD0864516	78-03109A	63	1	7	144	Consolidated Translation Survey Through 31 December 1969	12/31/1969	177	Approved For Release	3/25/2004